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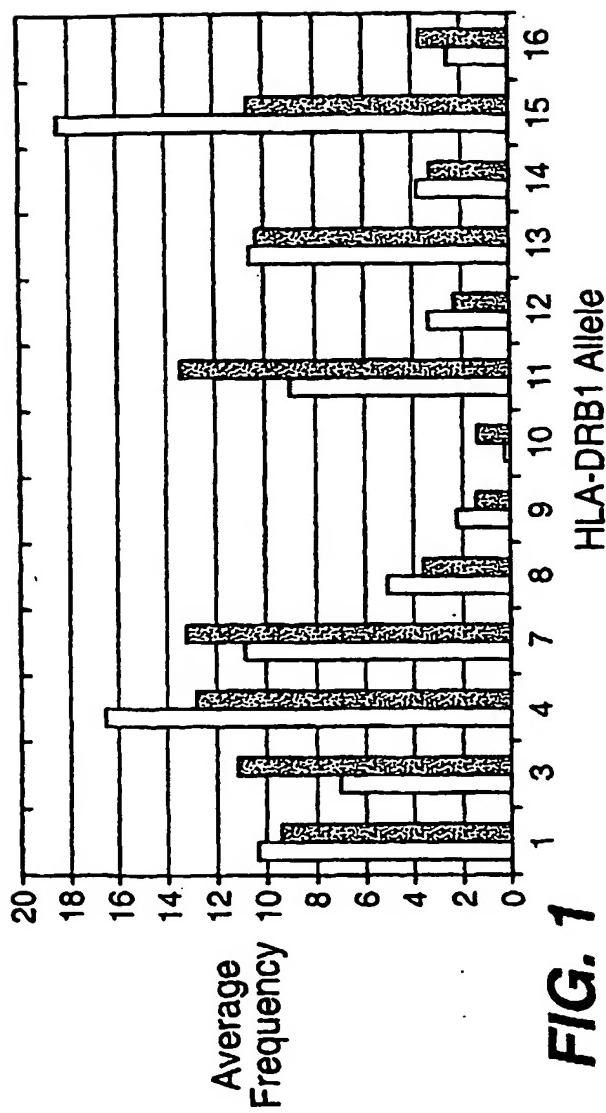


FIG. 1

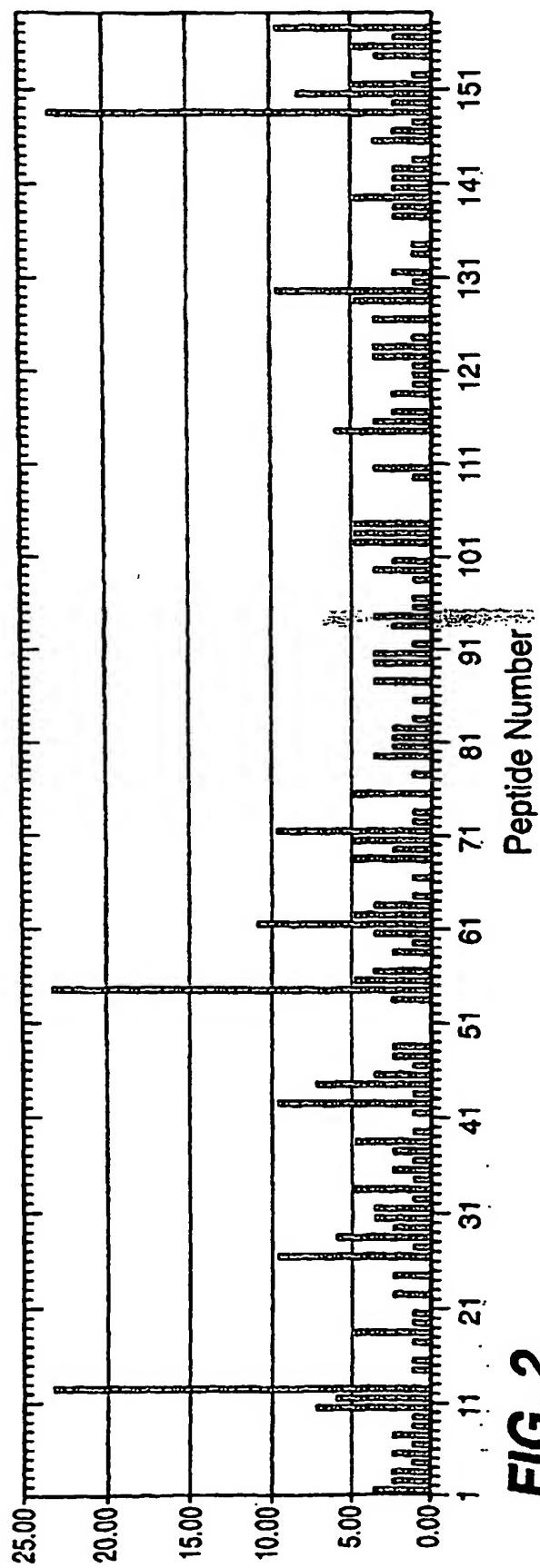
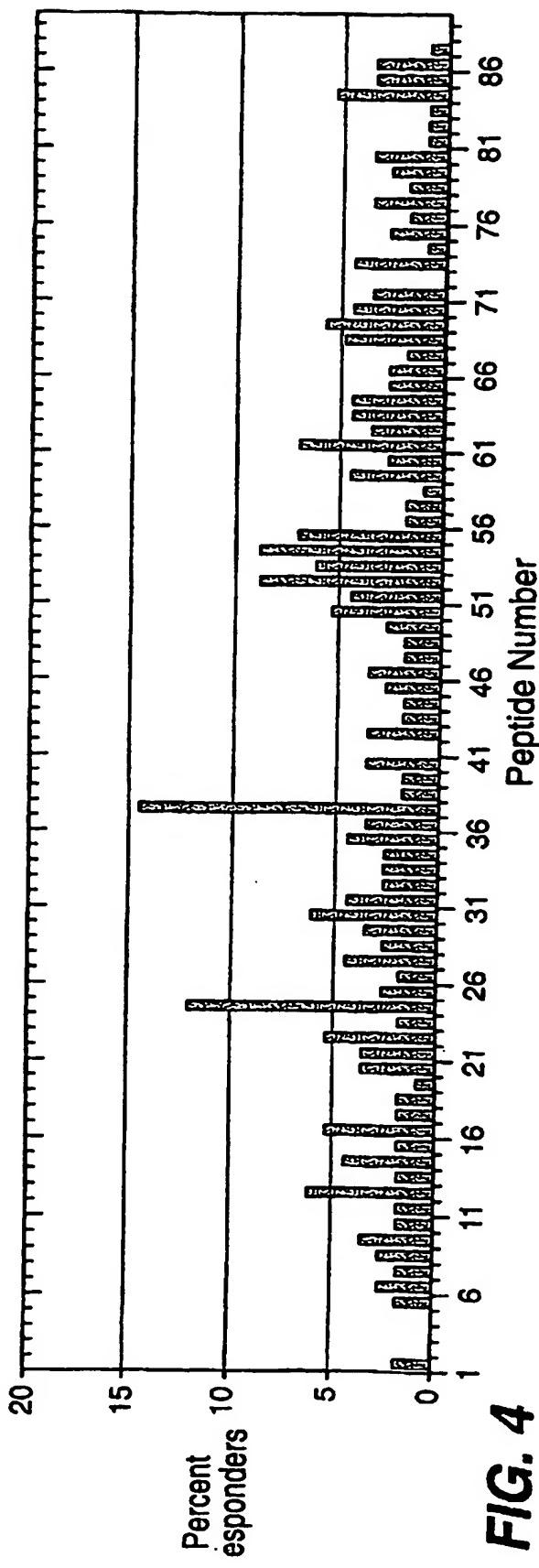
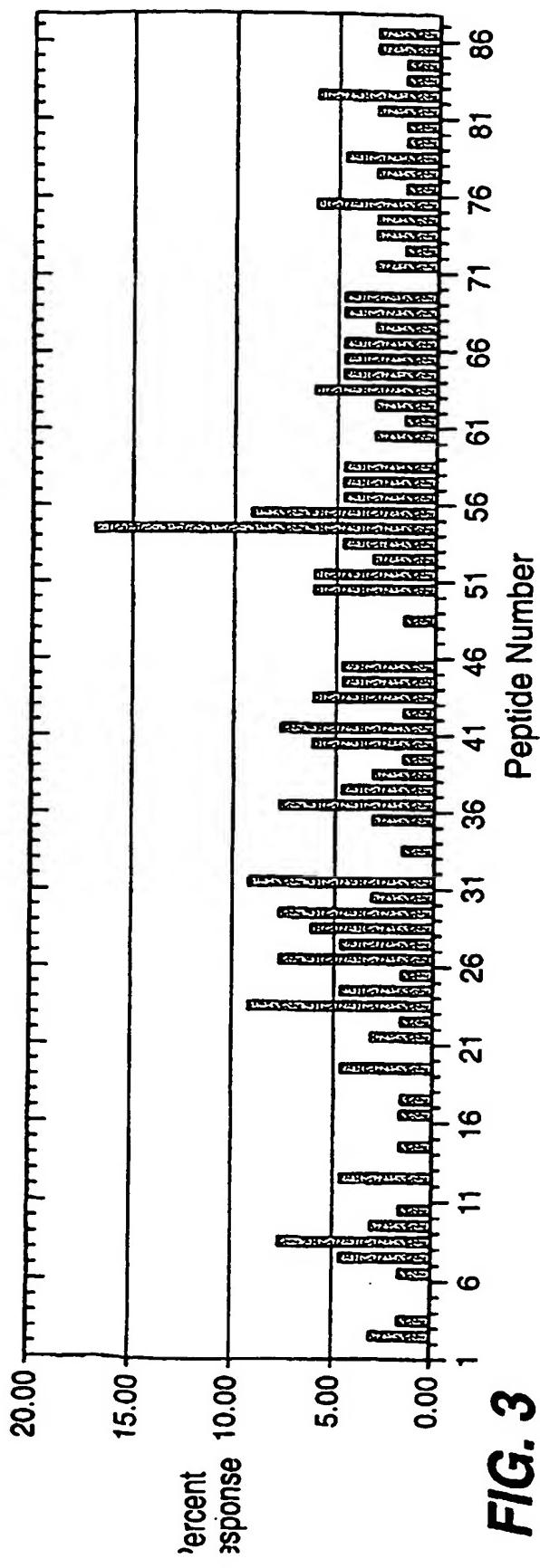


FIG. 2

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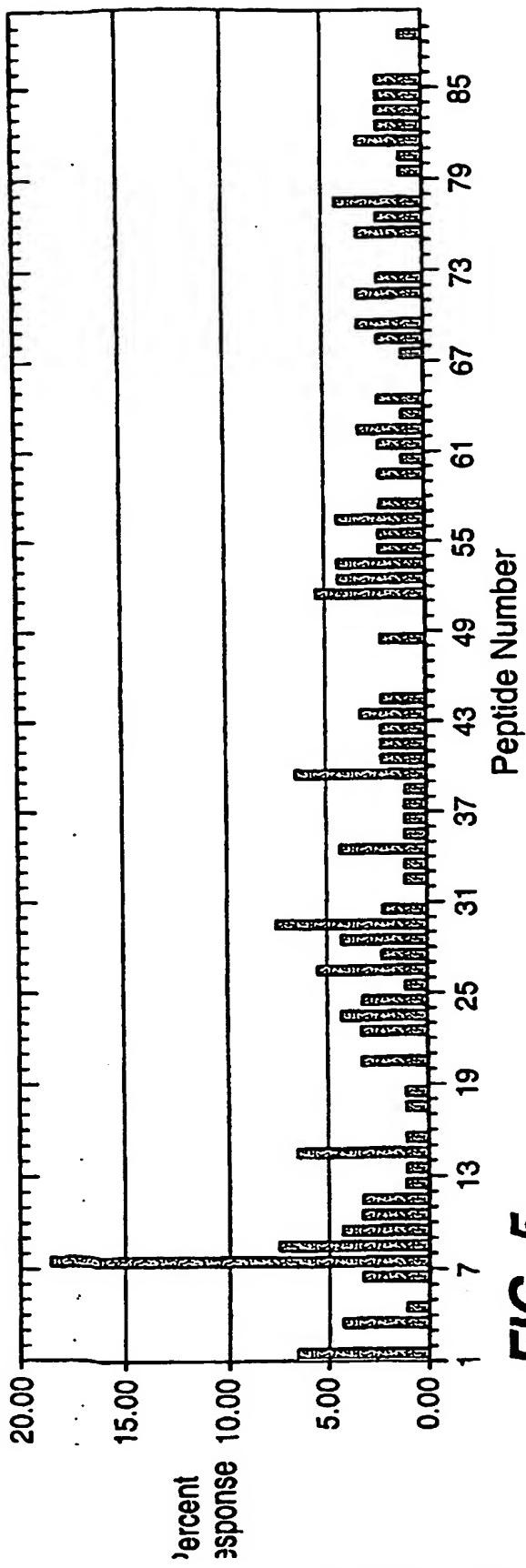


FIG. 5

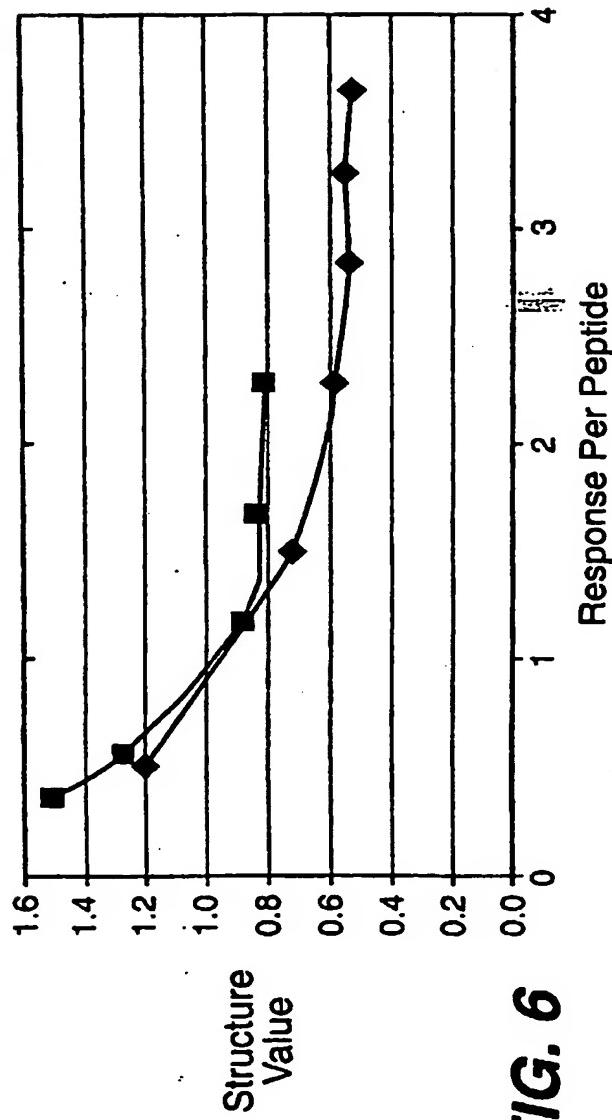
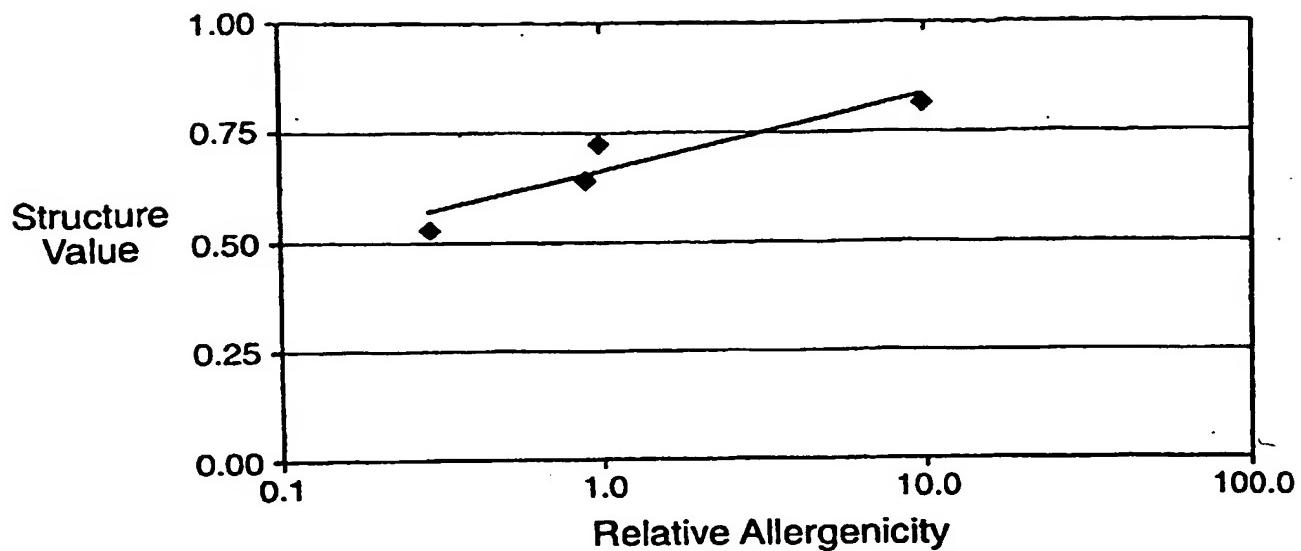
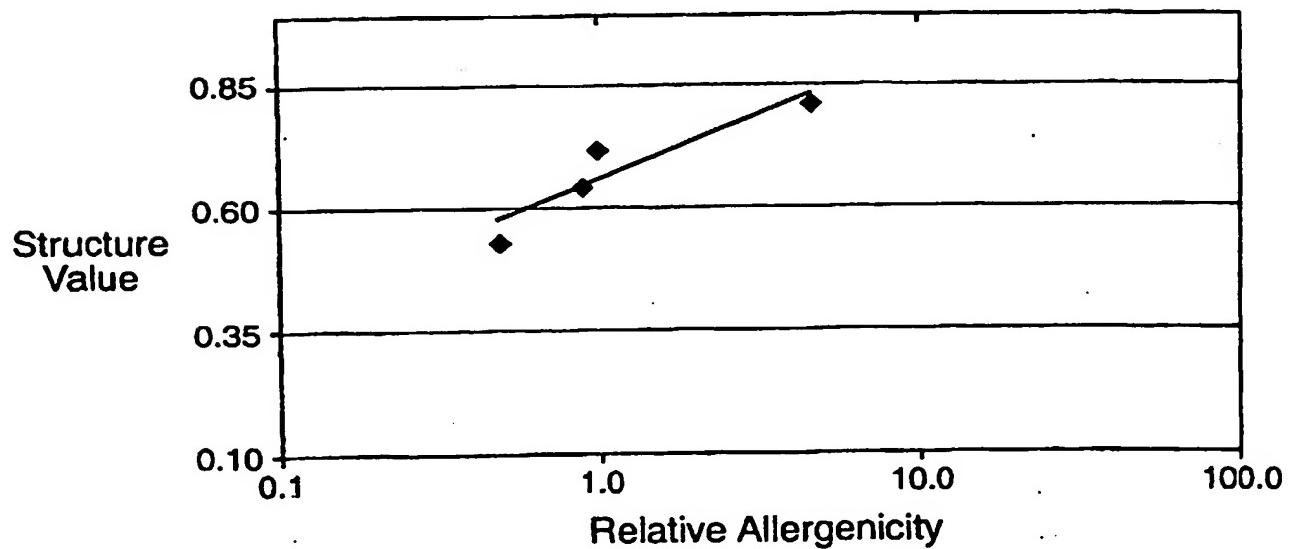
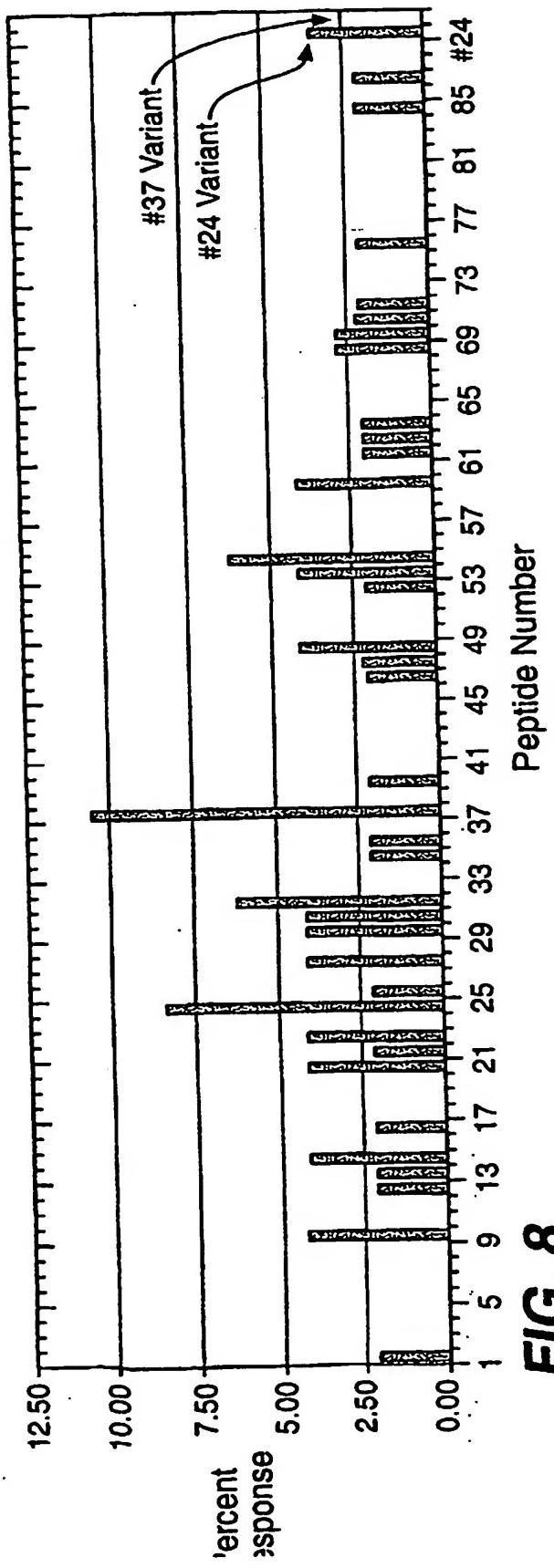


FIG. 6

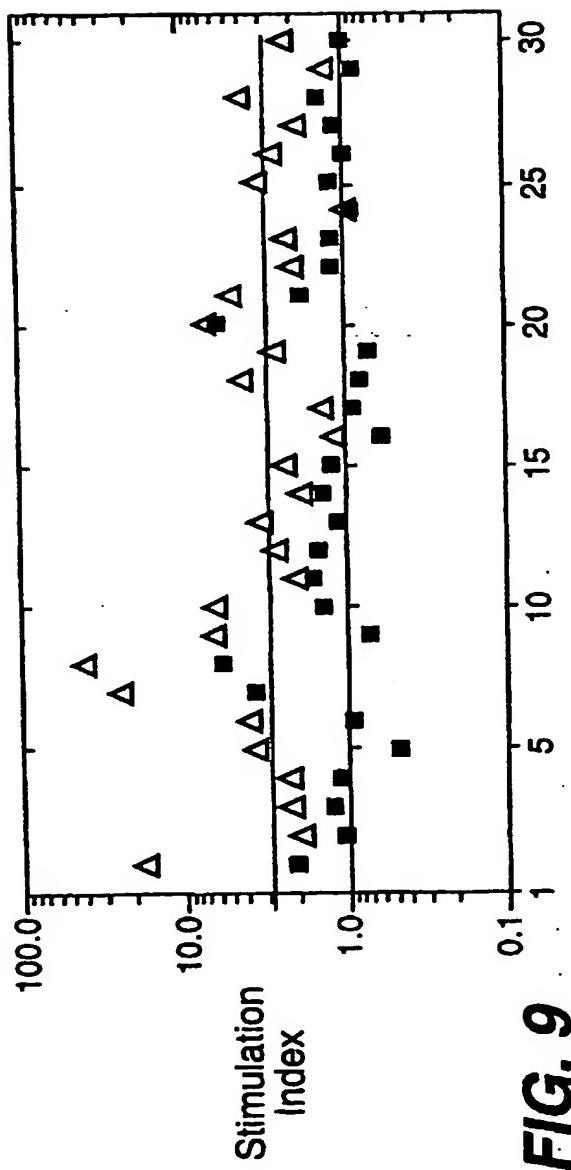
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**FIG. 7A****FIG. 7B**

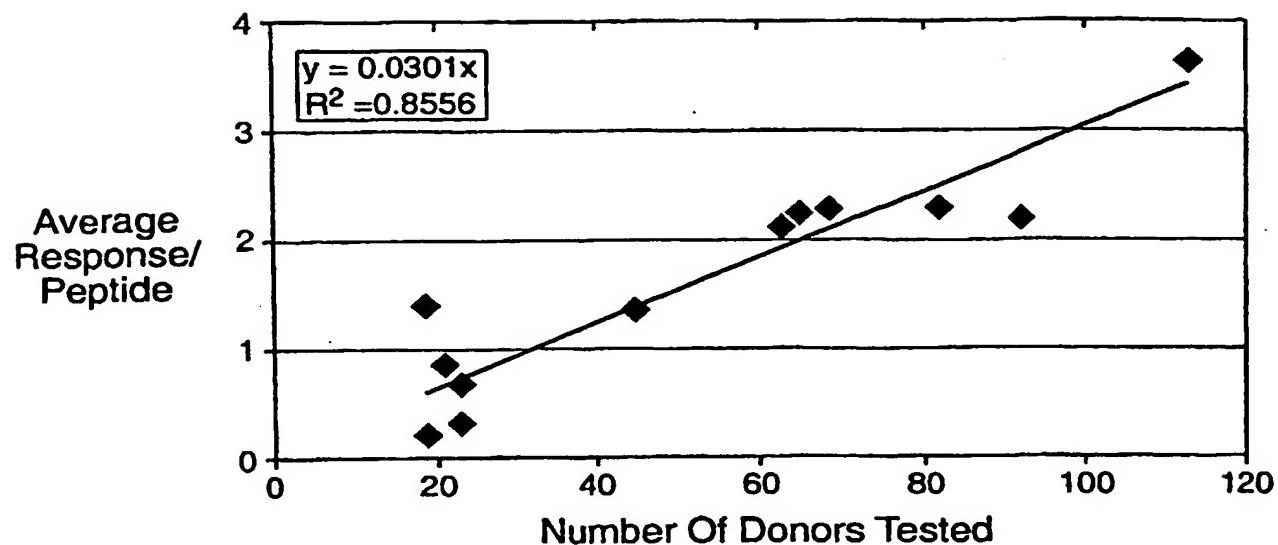
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**FIG. 8**

SUBSTITUTE SHEET (RULE 26)

**FIG. 9**

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**FIG. 10**

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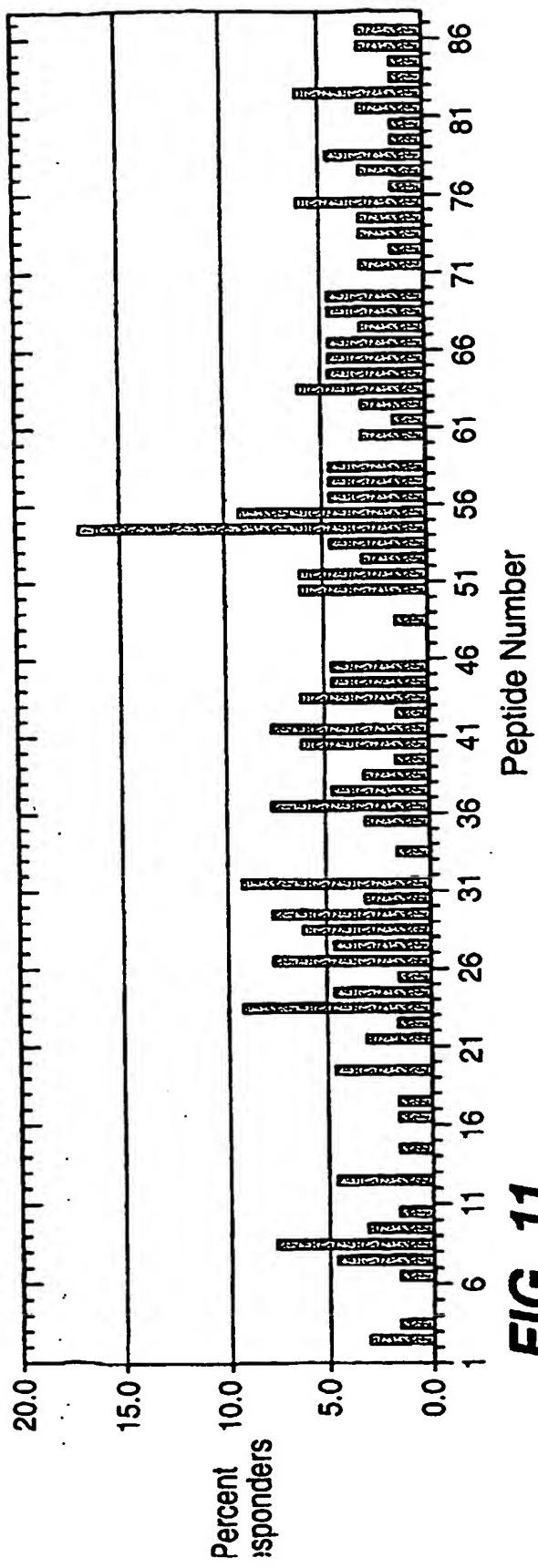


FIG. 11

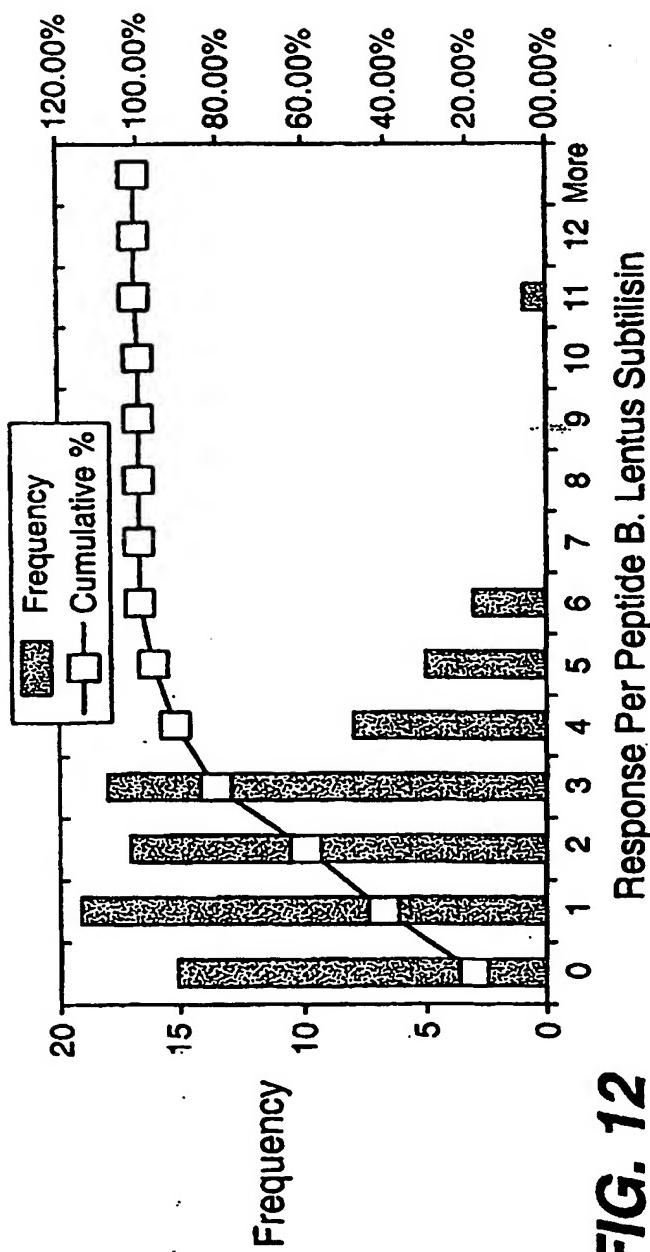
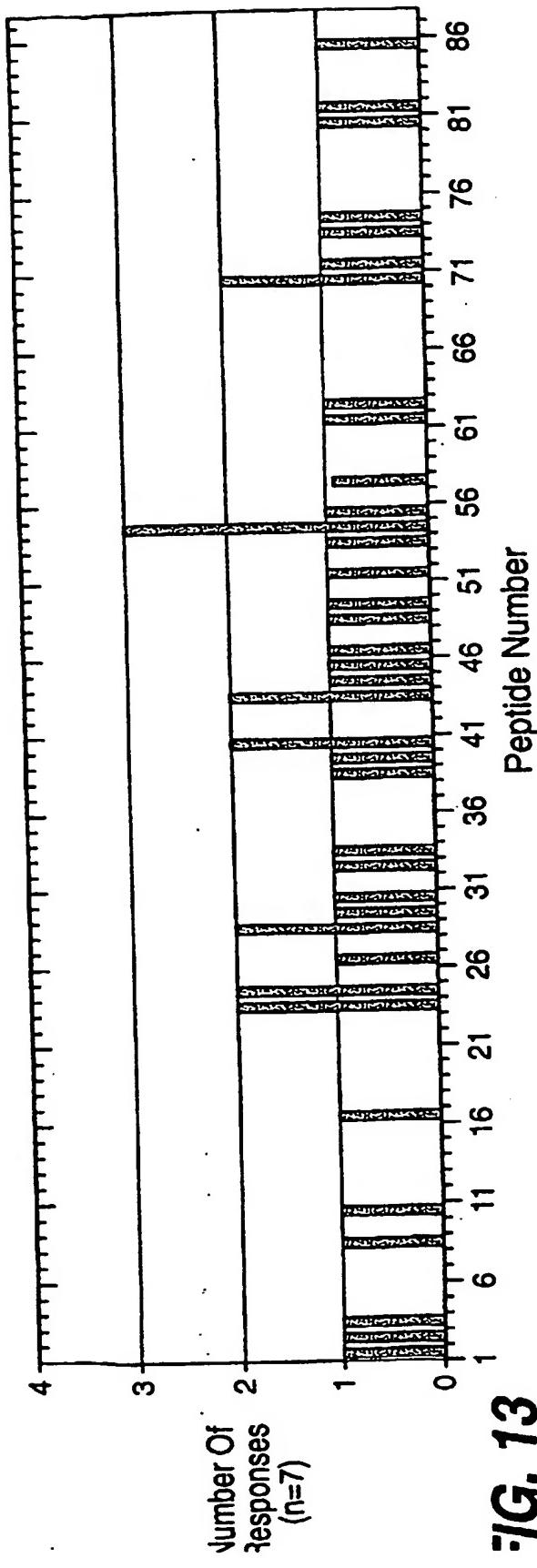


FIG. 12

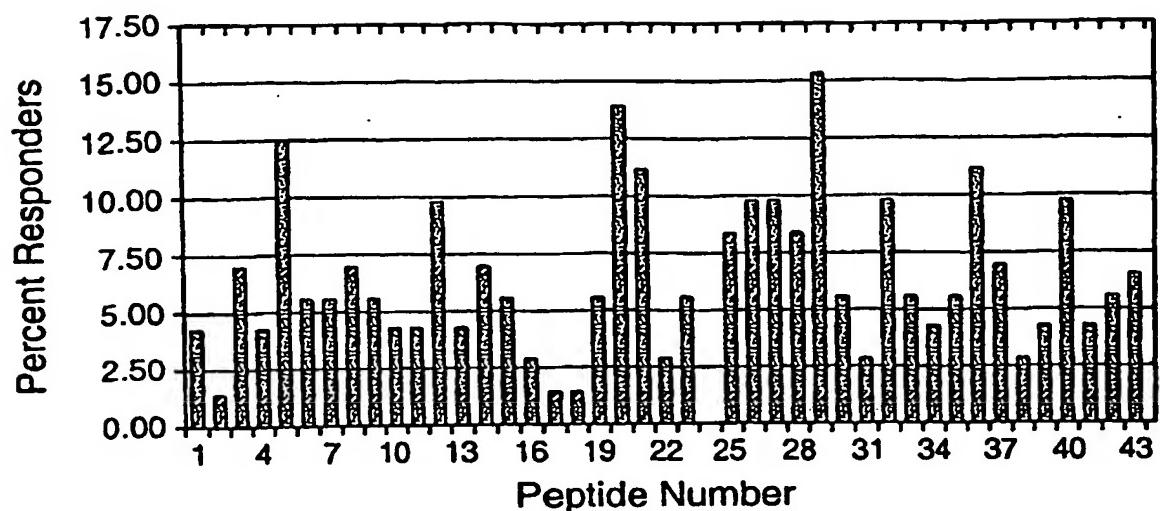
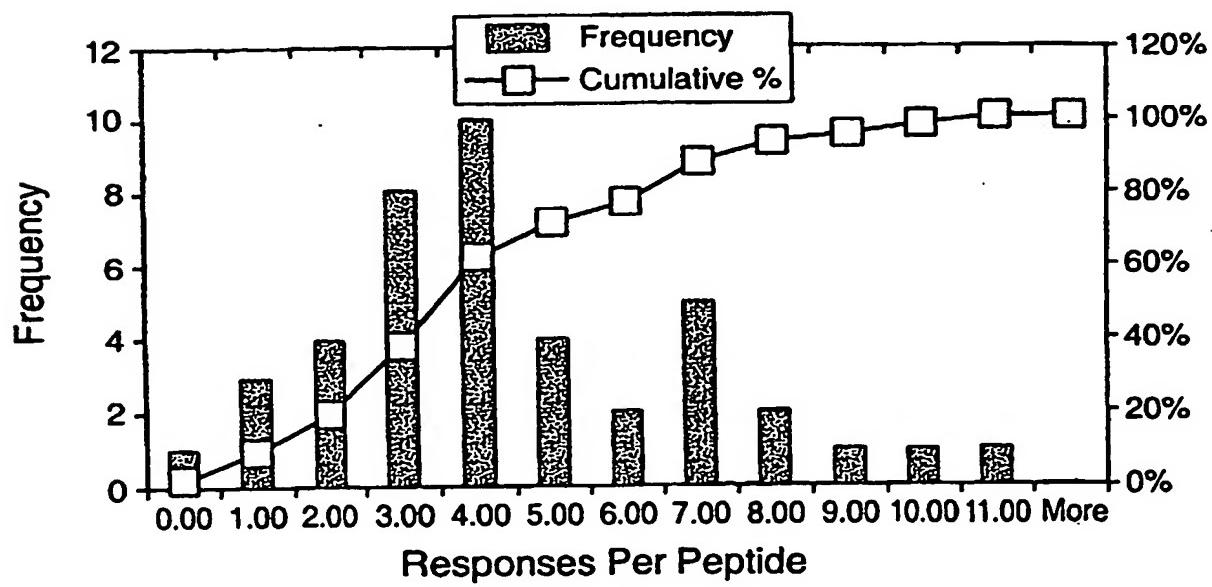
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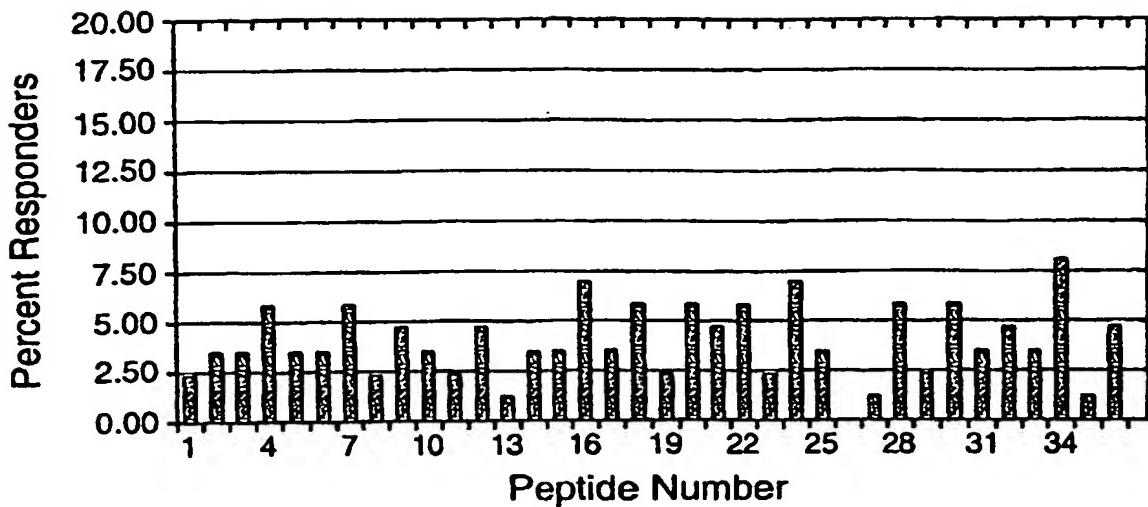
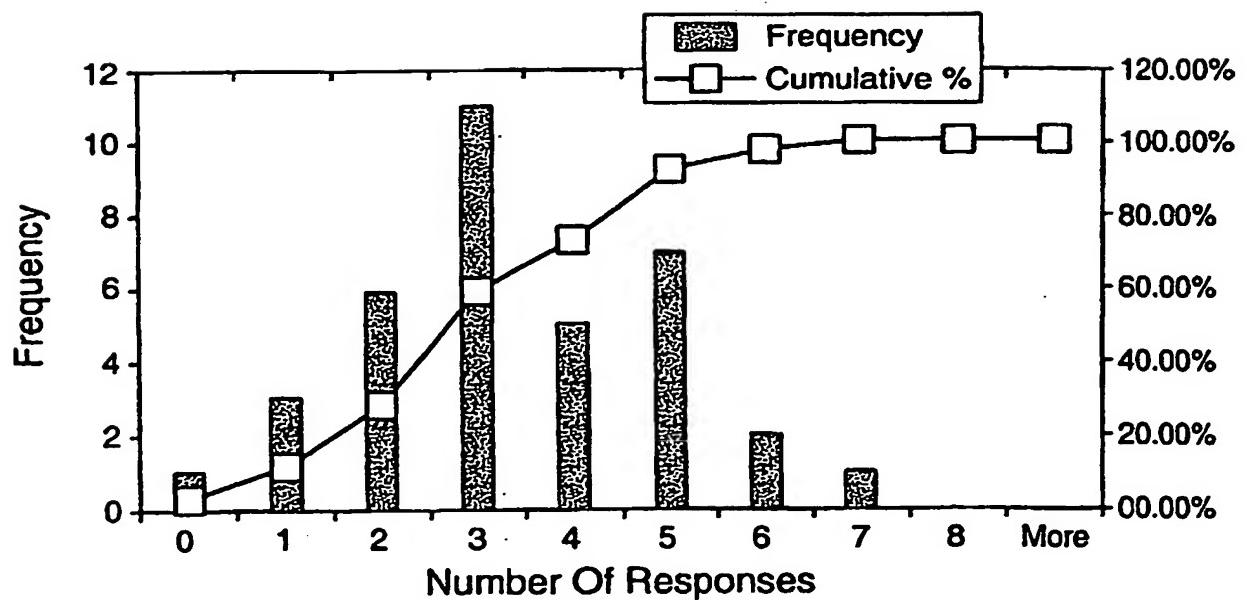
mune® HLA Associations Staphylokinase Peptide	HLA Association	P	HLA Increased	HLA Decreased	Region
5			DQ2	56% vs 27%, p < 0.08	D1 DR3, 7, 2
20	DR2 (15)	p < 0.03	DA6	70% vs 40%, p < 0.08	DR7 0% vs 23%, p < 0.09 F2 Dr1, 4
21			DR6 (13)	50% vs 23% p < 0.11	C3 DR2, 3, 4, 6, 7, 8
29	DR5 (11)	p < 0.01	DR3	37% vs 14%, p < 0.09	n.f.# D4 DR3, 6
36					A5 DR2, 5, 6, 8
n.f.#					

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**FIG. 14A****FIG. 14B**

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**FIG. 16A****FIG. 16B**

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nM IC₅₀ For Binding To Purified HLA

Protein	DRB1					
	*0101 (DR1)	*0301 (DR3w17)	*0401 (DR4w4)	*0404 (DR4w14)	*0405 (DR4w15)	*0701 (DR7)
BPN'Y217L.70	6.5	8737	33	5.7	166	154
BPN'Y217L.109	8.8	--	30	166	37	58
B. lenius 157	1065	16,433	4794	7575	6784	724
B. lenius .160	13	--	142	5542	1348	>16,333
					2033	164
					1484	--
					5554	--
						--

DRB1	DRB3/4/5			DQ			Degeneracy	
	*1501 (DR2w2β1)	*DRB3'0101 (DR52a)	*DRB4'0101 (DRw53)	*DRB5'0101 (DR2w2β2)	DQA1'0501/ DQB1'0201 (DQ2)	DQA1'0301/ DQB1'0301 (DQ3.1)	DQA1'0301/ DQB1'0302 (DQ3.2)	
*1302 (DR6w19)	21	2010	31	15,689	670	440	2069	12
	683	119	1071	1024	97	2182	80	11
→	0.69							
	9.8							
2009	865	>9434	>9667	..	6157	6009	5009	2
559	127	6157	8257	1726	1296	63	1046	7



FIG. 17

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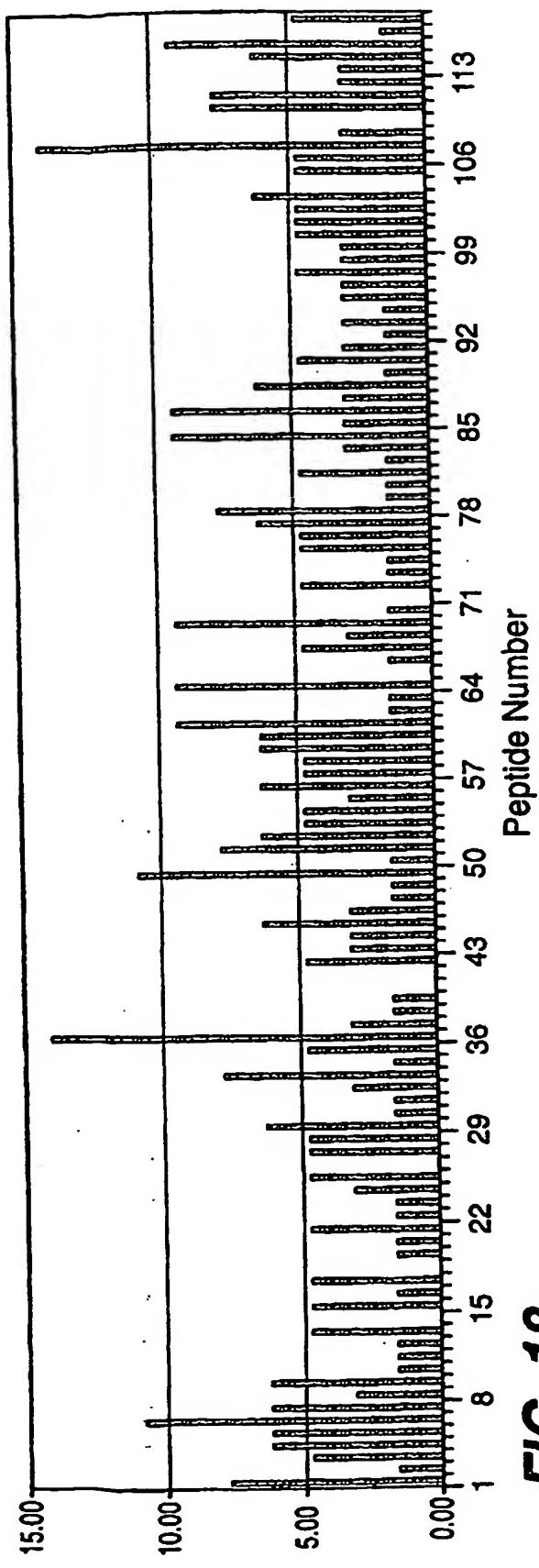


FIG. 18

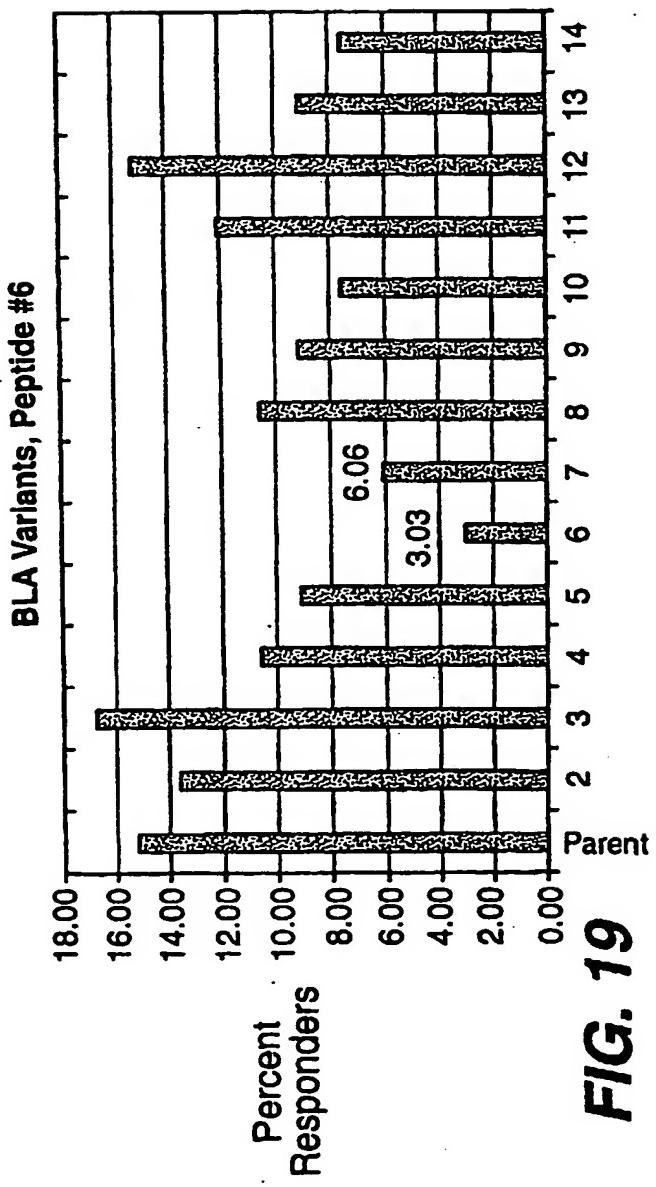
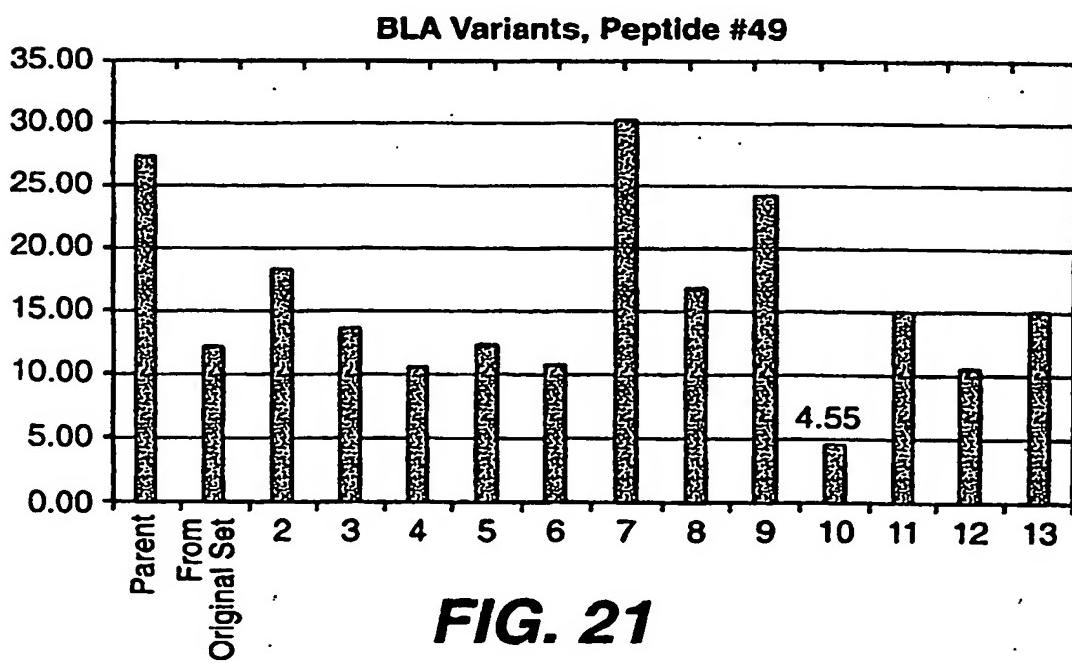
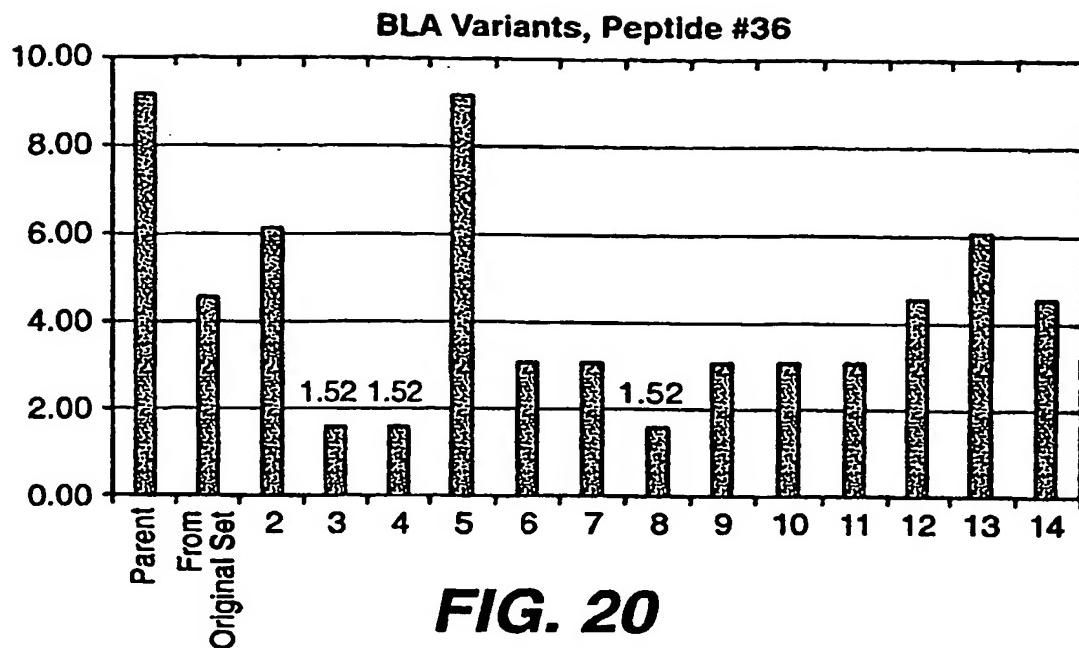
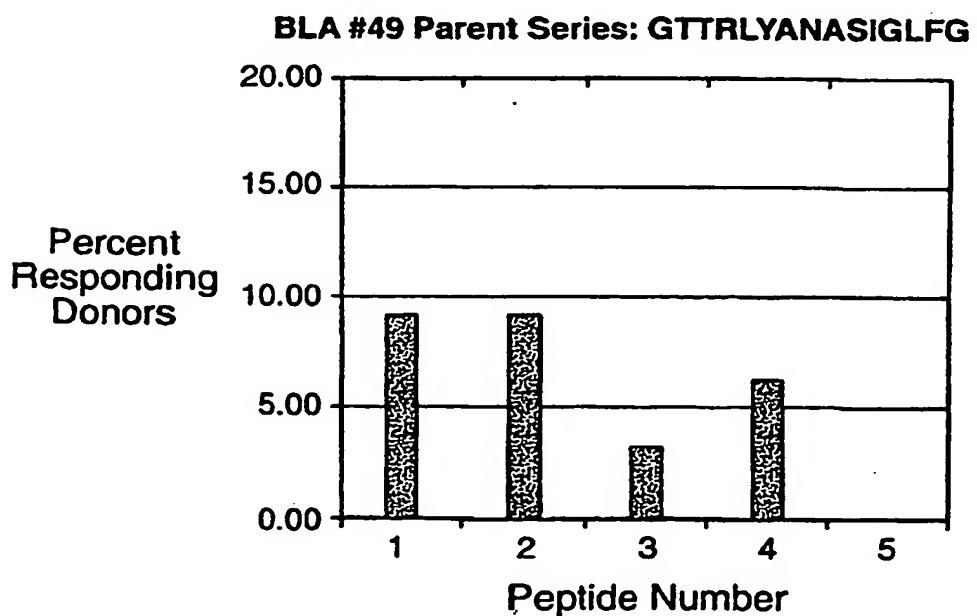
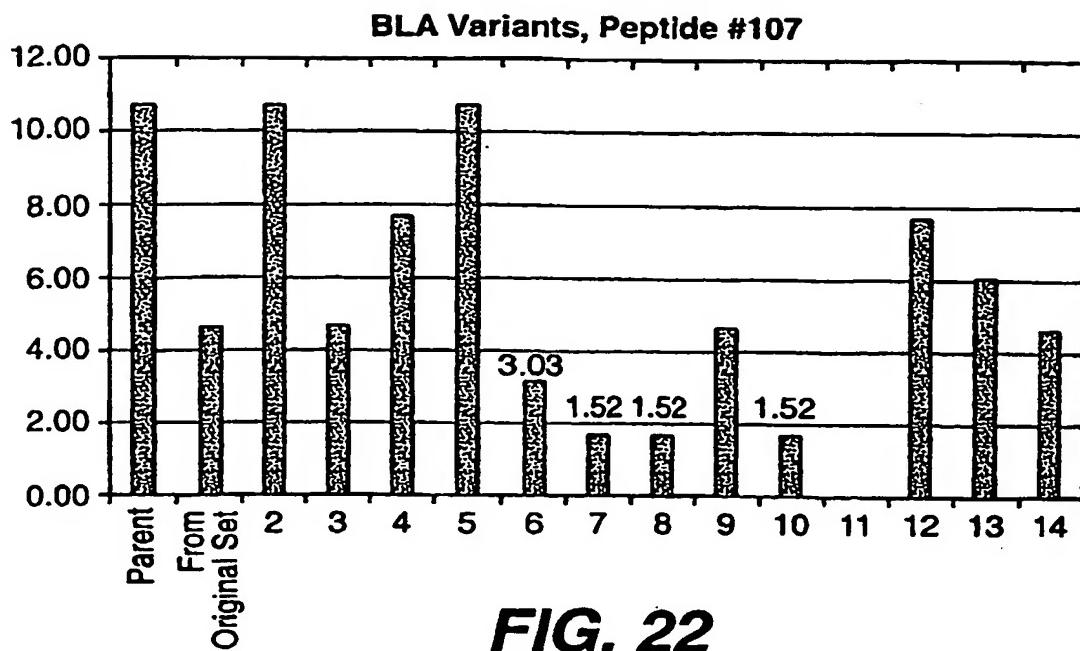


FIG. 19

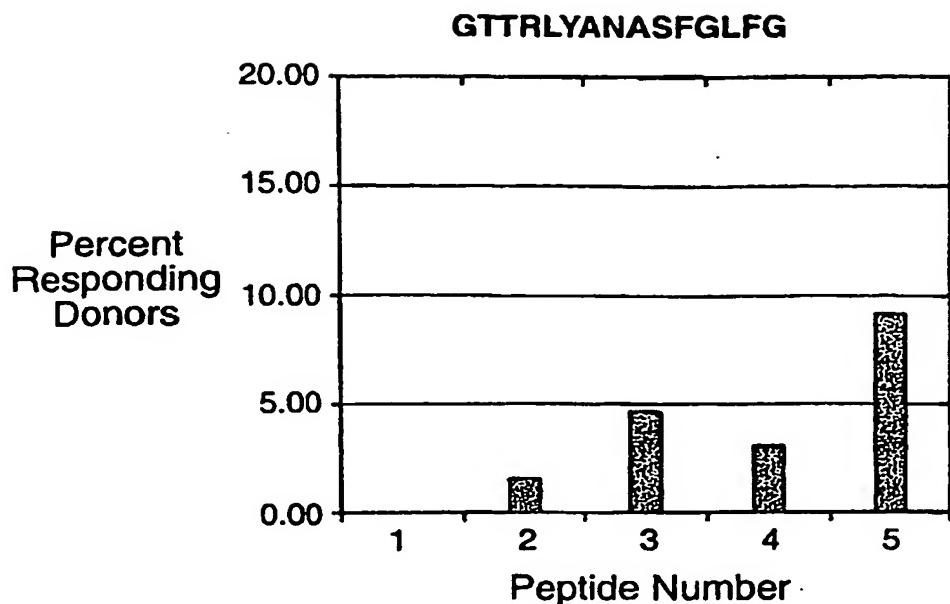
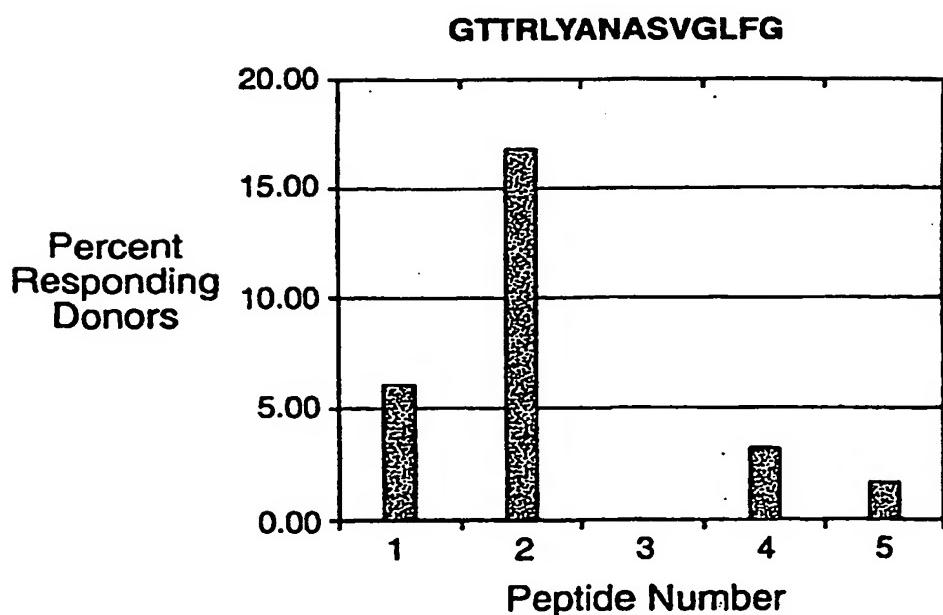
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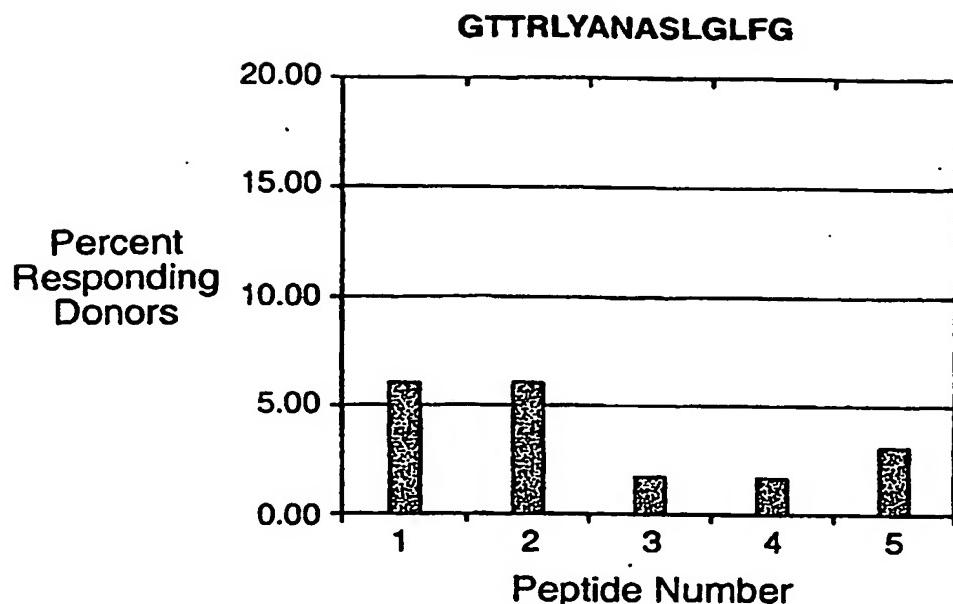
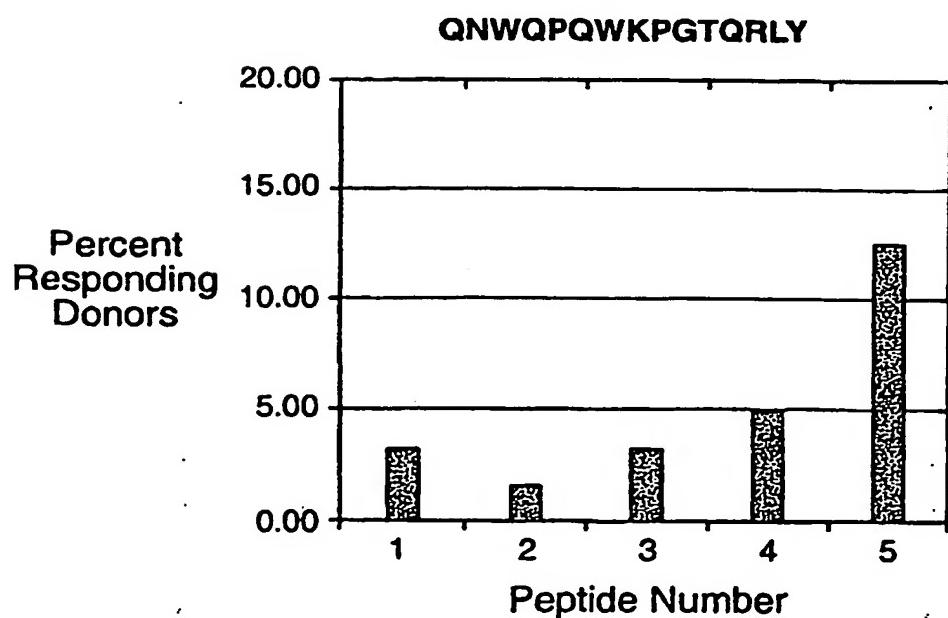
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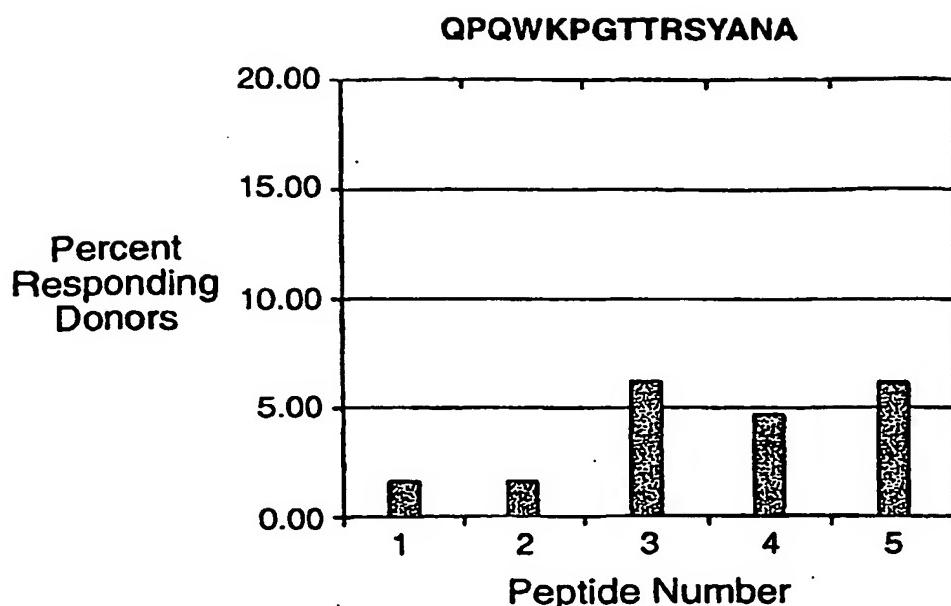
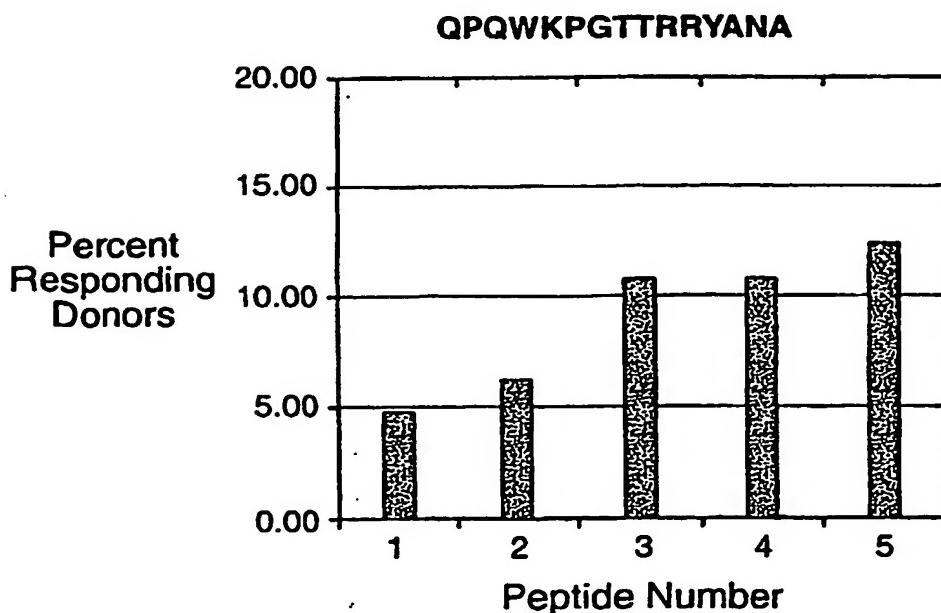
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**FIG. 24****FIG. 25**

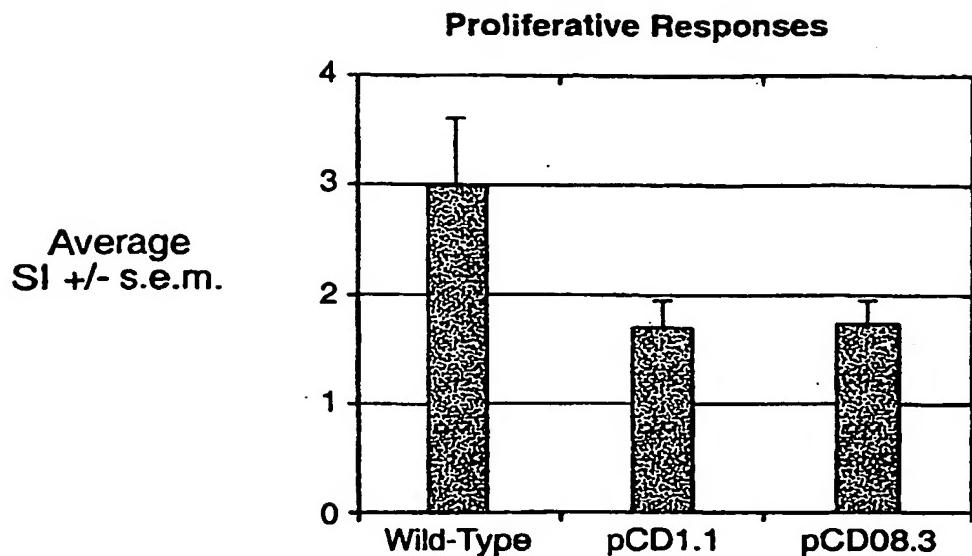
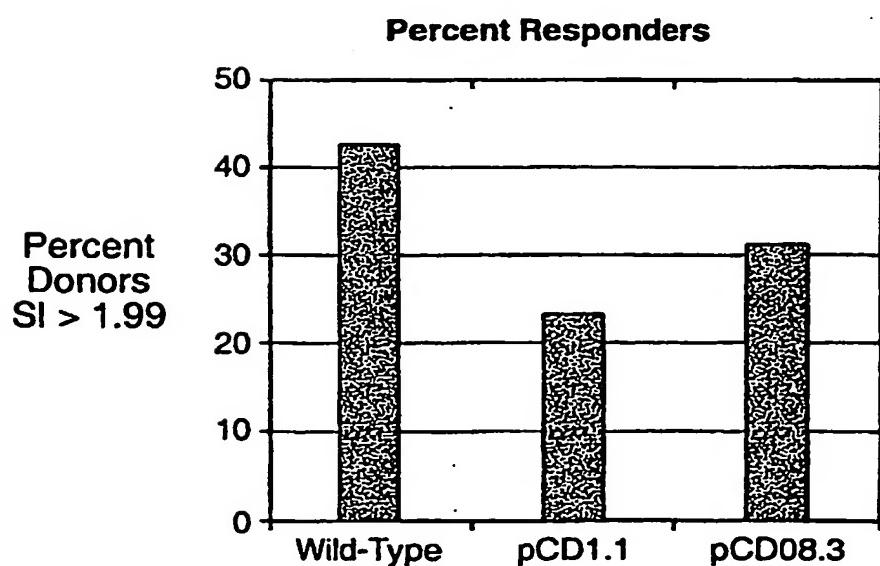
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**FIG. 26****FIG. 27**

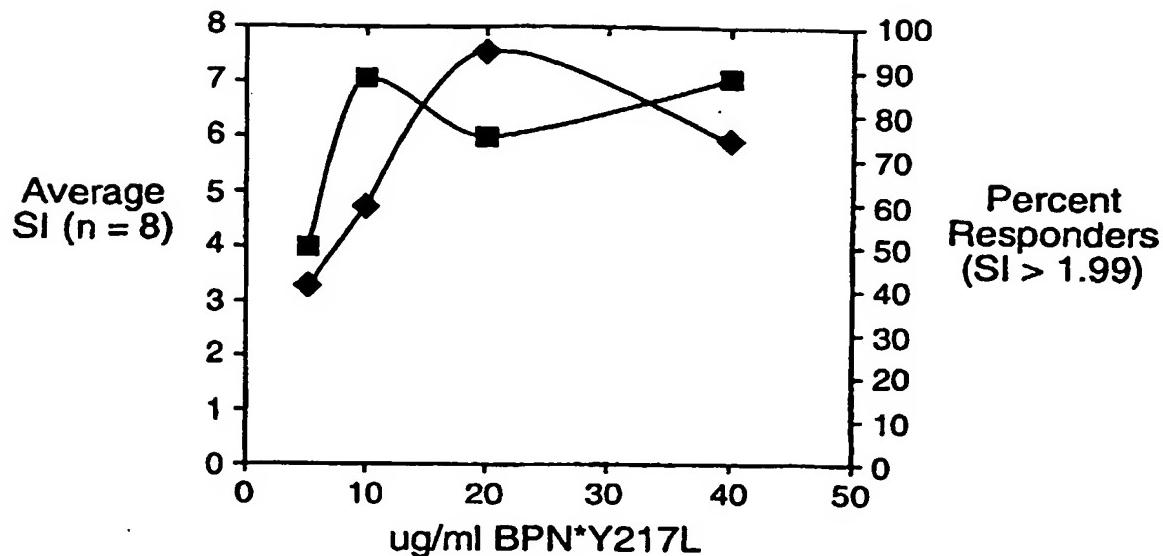
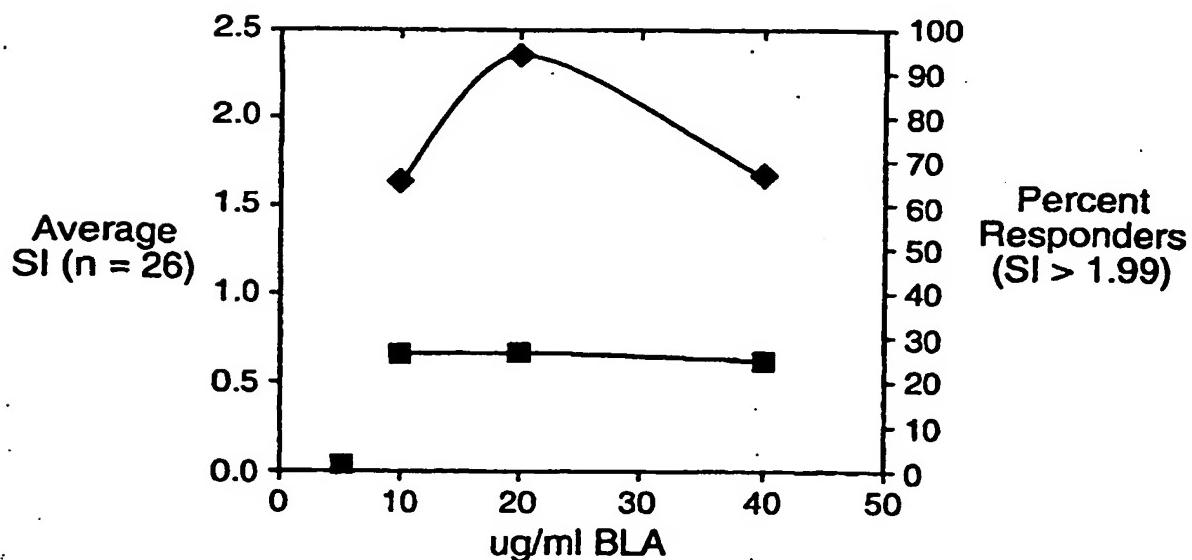
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**FIG. 28****FIG. 29**

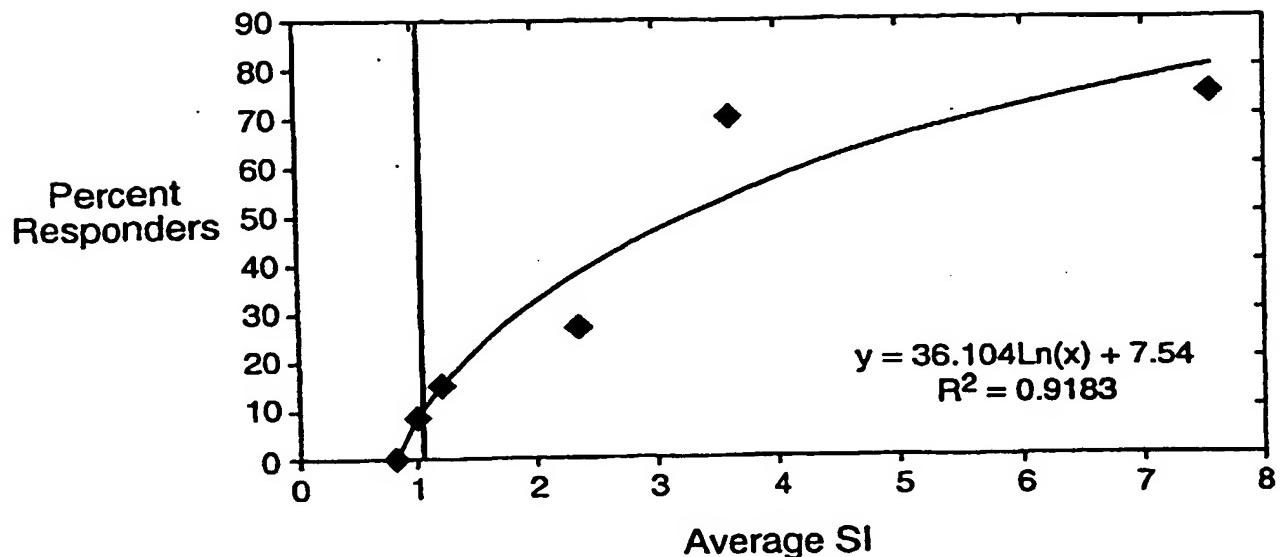
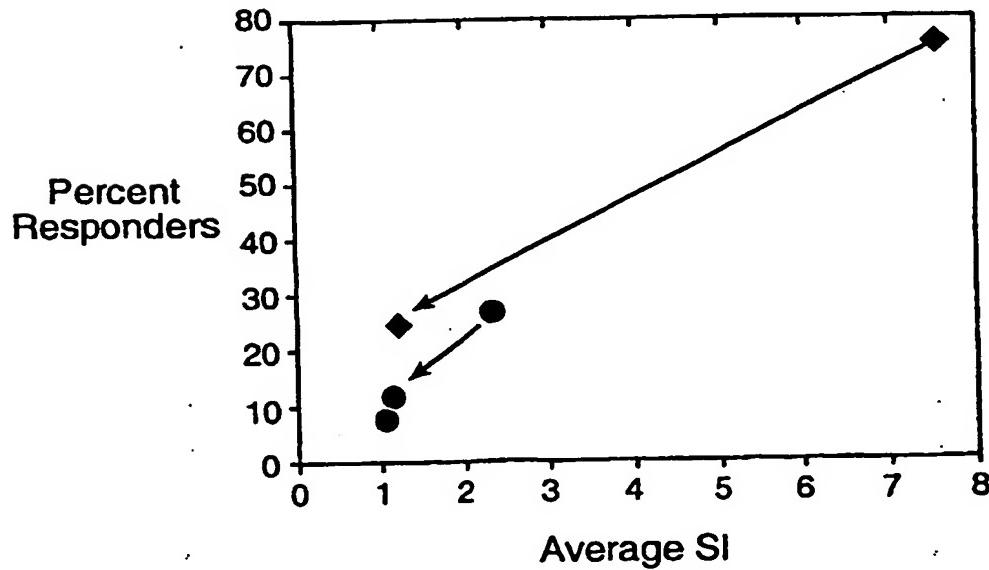
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**FIG. 30A****FIG. 30B**

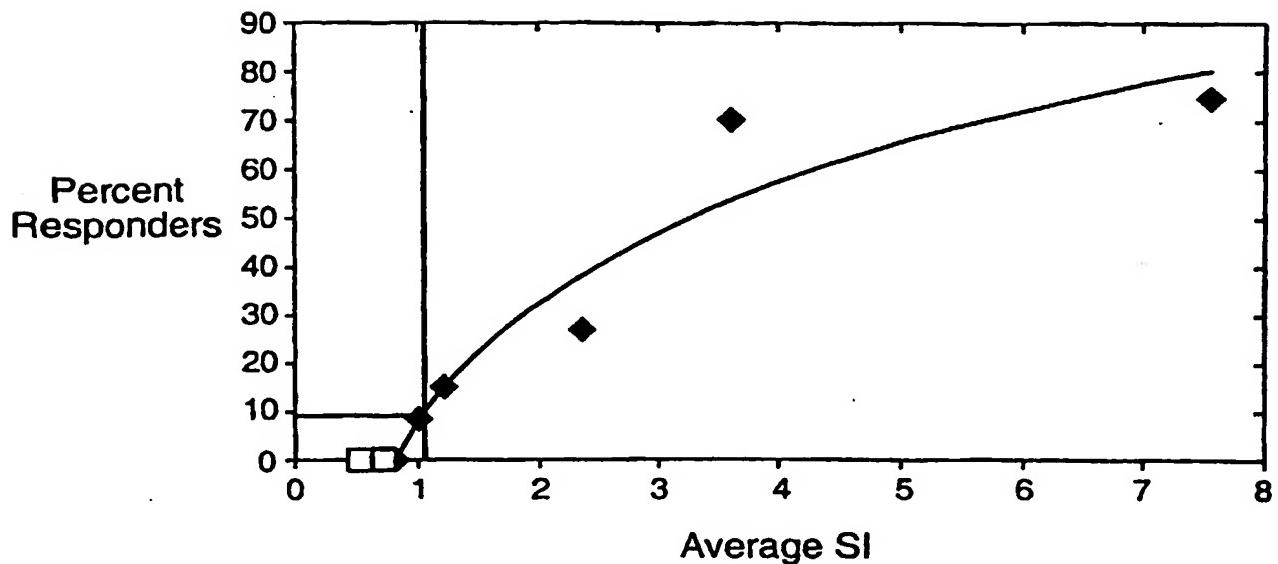
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**FIG. 31A****FIG. 31B**

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**FIG. 32****FIG. 33**

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**FIG. 34**